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U. S. DEPARTMENT OF COMMERCE
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE Equivalent		ATTY. DKT. NO. 500.30304C15	SERIAL NO. 10/734,302
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT ARAI	
		FILING DATE December 15, 2003	GROUP 2653

U.S. PATENT DOCUMENTS

Ex. Initial	Doc. No.	Date	Name	Class	Subclass	Filing Date
AA						
AB						
AC						
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AE						
AF						
AG						
AH						

U.S. PATENT APPLICATIONS

	Publication Number	Name	Publication Date
AI			
AJ			
AK			
AL			

FOREIGN PATENT DOCUMENTS

	Doc. No.	Date	Country	Class	Subclass	Translation/Abstract?	
						Yes	No
AM	64-089878	4/89	Japan			Abstract	
AN							
AO							
AP							
AQ							

OTHER DOCUMENTS

AR	
AS	
AT	
Examiner	Date Considered